

## EAST Search History

| Ref # | Hits   | Search Query                           | DBs                             | Default Operator | Plurals | Time Stamp       |
|-------|--------|--|---------------------------------|------------------|---------|------------------|
| S1    | 1      | ("20040209172").PN.                    | US-PGPUB;<br>USPAT              | OR               | OFF     | 2006/08/15 15:58 |
| S4    | 145    | diacetone acrylamide.ti,ab.            | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ              | ON      | 2006/08/15 17:19 |
| S5    | 8209   | 430/5.ccls.                            | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ              | ON      | 2006/08/15 17:05 |
| S6    | 416    | 216/12.ccls.                           | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ              | ON      | 2006/08/15 17:05 |
| S7    | 307    | 427/526.ccls.                          | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ              | ON      | 2006/08/15 17:06 |
| S8    | 439383 | mask or photomask or reticle or \$3PSM | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ              | ON      | 2006/08/15 17:07 |
| S9    | 264889 | repair\$3 or defect near2 correct\$3   | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ              | ON      | 2006/08/15 17:08 |
| S10   | 49254  | ion beam or FIB                        | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ              | ON      | 2006/08/15 17:11 |
| S11   | 422    | 564/204.ccls.                          | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ              | ON      | 2006/08/15 17:12 |
| S12   | 27594  | carboxamide                            | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ              | ON      | 2006/08/15 17:12 |
| S13   | 0      | S11 and S10 same S12                   | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ              | ON      | 2006/08/15 17:13 |
| S14   | 2      | S4 with S10                            | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ              | ON      | 2006/08/15 17:14 |
| S15   | 3343   | diacetone acrylamide                   | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ              | ON      | 2006/08/15 17:21 |
| S16   | 1769   | (Levenson or alternat\$3 or alt) S8    | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ              | ON      | 2006/08/15 20:19 |
| S17   | 1      | (S5 or S6 or S7) and S10 same S15      | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ              | ON      | 2006/08/15 19:06 |

## EAST Search History

|     |         |   |                                 |     |    |                  |
|-----|---------|---|---------------------------------|-----|----|------------------|
| S18 | 2       | S8 and S10 same S15   | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2006/08/15 17:26 |
| S19 | 7       | S11 and S15   | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2006/08/15 17:32 |
| S20 | 1       | "N-(1,<br>1-dimethyl-3-oxobutyl)acrylamide"                     | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2006/08/15 17:45 |
| S21 | 1       | "N-1,<br>1-dimethyl-3-oxobutylacrylamide"                       | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2006/08/15 17:54 |
| S22 | 87435   | acrylamide or acrylic amide                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2006/08/15 17:53 |
| S23 | 5       | "N-1,1-dimethyl-3-oxobutyl"                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2006/08/15 17:55 |
| S24 | 5       | S22 and S23   | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2006/08/15 17:55 |
| S25 | 17      | oxobutylacrylamide  | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2006/08/15 18:07 |
| S26 | 5       | (S5 or S6 or S7) and (S11 or S12 or<br>S15 or S25)              | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2006/08/15 19:19 |
| S27 | 1863265 | gas\$4  | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2006/08/15 19:20 |
| S28 | 2053962 | coat\$3 or deposit\$3   | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2006/08/15 19:20 |
| S29 | 463989  | etch\$3   | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2006/08/15 19:21 |
| S30 | 61      | (S8 and S9 and S10 and S27).ti,ab.                              | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2006/08/15 19:24 |
| S31 | 48      | S30 and (S28 or S29).ti,ab.                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2006/08/15 19:23 |
| S32 | 27      | (S8 and S9 and S10).ti,ab. and S27<br>with (S28 or S29) not S31 | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2006/08/15 19:26 |

## EAST Search History

|     |     |  |                                 |     |    |                  |
|-----|-----|--|---------------------------------|-----|----|------------------|
| S33 | 94  | S8 same S9 same S10 same S27 same (S28 or S29) not S31 not S32   | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2006/08/15 19:28 |
| S34 | 2   | S10 same S15   | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2006/08/15 19:29 |
| S35 | 3   | (S15 or S25) same S27 same (S28 or S29)  | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2006/08/15 20:10 |
| S36 | 12  | (S15 or S25) with S27 not S35  | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2006/08/15 20:11 |
| S37 | 4   | (S9 and S10 and S16).ti,ab.  | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2006/08/15 20:26 |
| S38 | 6   | S9 same S10 same S16 not S37   | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2006/08/15 20:26 |
| S39 | 122 | (S10 or ion) with (S15 or S25 or S12) not S4 not S14 not S18 not S19 not S24 not S26 not S31 not S32 not S33 not S35 not S36 not S37 not S38   | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2006/08/15 21:08 |
| S40 | 3   | S39 same S27   | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2006/08/16 11:30 |
| S41 | 2   | S39 with (S28 or S29) not S40  | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2006/08/15 21:07 |
| S42 | 0   | S39 same (S28 or S29) not S40 not S41  | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2006/08/15 21:07 |
| S43 | 338 | (Osamu near2 Takaoka or Kazuo near2 Aita or Fumio near2 Aramaki or Kazuo near2 Aida or Bunro near2 Aramaki) not S4 not S14 not S18 not S19 not S24 not S25 not S26 not S31 not S32 not S33 not S35 not S36 not S37 not S38 not S40 not S41 not S42 | US-PGPUB;<br>USPAT;<br>EPO; JPO | ADJ | ON | 2006/08/15 21:14 |